

Access DB# 68005**SEARCH REQUEST FORM**

Scientific and Technical Information Center

Requester's Full Name: Anna Marie Koss Examiner #: 78972 Date: 6/4/02
 Art Unit: 175 Phone Number 305-3176 Serial Number: 091990626
 Mail Box and Bldg/Room Location: CP3, 9B30 Results Format Preferred (circle): PAPER DISK E-MAIL

If more than one search is submitted, please prioritize searches in order of need.

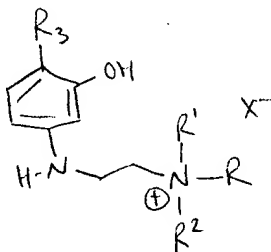
Please provide a detailed statement of the search topic, and describe as specifically as possible the subject matter to be searched. Include the elected species or structures, keywords, synonyms, and registry numbers, and combine with the concept or utility of the invention. Define any terms that may have a special meaning. Give examples or relevant citations, authors, etc, if known. Please attach a copy of the cover sheet, pertinent claims, and abstract.

Title of Invention: _____

Inventors (please provide full names): Lim, Mu-Hu; Pan, Yuh-GuoEarliest Priority Filing Date: 11/17/2000

For Sequence Searches Only Please include all pertinent information (parent, child, divisional, or issued patent numbers) along with the appropriate serial number.

Please search compound of formula (I) as defined in claims.

wherein R_3 is Me, Et, or EtO R_1, R_2 are Carbon

X is Cl, Br or I

 N^+ can be in straight chains or a ring

Thanks

STAFF USE ONLYSearcher: EL

Searcher Phone #: _____

Searcher Location: _____

Date Searcher Picked Up: _____

Date Completed: 6-7-02Searcher Prep & Review Time: 20

Clerical Prep Time: _____

Online Time: 55**Type of Search**

NA Sequence (#) _____

AA Sequence (#) _____

Structure (#) ☒

Bibliographic _____

Litigation _____

Fulltext _____

Patent Family _____

Other _____

Vendors and cost where applicableSTN \$151.48

Dialog _____

Questel/Orbit _____

Dr.Link _____

Lexis/Nexis _____

Sequence Systems _____

WWW/Internet _____

Other (specify) _____

=> file reg

FILE 'REGISTRY' ENTERED AT 13:21:49 ON 07 JUN 2002

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STRUCTURE FILE UPDATES: 5 JUN 2002 HIGHEST RN 426206-38-4

DICTIONARY FILE UPDATES: 5 JUN 2002 HIGHEST RN 426206-38-4

TSCA INFORMATION NOW CURRENT THROUGH January 7, 2002

Please note that search-term pricing does apply when
conducting SmartSELECT searches.

Crossover limits have been increased. See HELP CROSSOVER for details.

Calculated physical property data is now available. See HELP PROPERTIES
for more information. See STNote 27, Searching Properties in the CAS
Registry File, for complete details:

<http://www.cas.org/ONLINE/STN/STNOTES/stnotes27.pdf>

=> d his

(FILE 'HOME' ENTERED AT 12:53:27 ON 07 JUN 2002)

FILE 'LREGISTRY' ENTERED AT 12:54:13 ON 07 JUN 2002

L1 STR

FILE 'REGISTRY' ENTERED AT 13:04:26 ON 07 JUN 2002

L2 0 S L1

FILE 'LREGISTRY' ENTERED AT 13:04:45 ON 07 JUN 2002

L3 STR L1

FILE 'REGISTRY' ENTERED AT 13:11:02 ON 07 JUN 2002

L4 0 S L3

L5 SCR 1832

L6 SCR 1611

L7 0 S L3 AND L5 AND L6

L8 20 S L3 AND L5 AND L6 FUL

SAV L8 KOS626/A

FILE 'CAOLD' ENTERED AT 13:15:01 ON 07 JUN 2002

L9 1 S L8

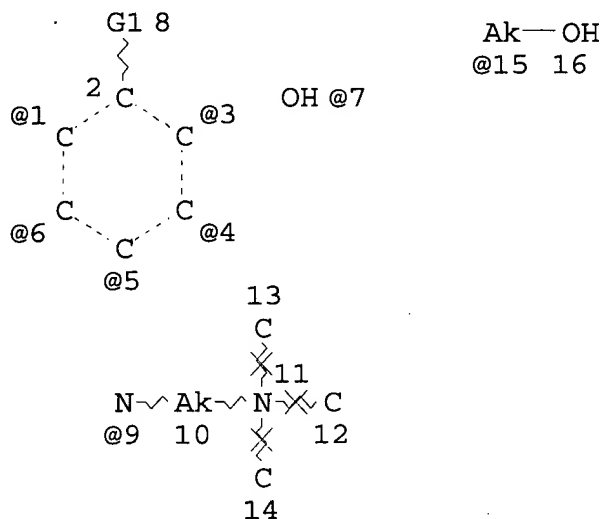
FILE 'ZCAPLUS' ENTERED AT 13:15:07 ON 07 JUN 2002

L10 6 S L8

FILE 'REGISTRY' ENTERED AT 13:21:49 ON 07 JUN 2002

=> d l8 que stat

L3 STR



VAR G1=ME/ET/N-PR/I-PR/N-BU/I-BU/S-BU/T-BU/15

VPA 9-3/4/5/6/1 U

VPA 7-3/4/5/6/1 U

NODE ATTRIBUTES:

NSPEC IS RC AT 12

NSPEC IS RC AT 13

NSPEC IS RC AT 14

DEFAULT MLEVEL IS ATOM

DEFAULT ECLEVEL IS LIMITED

GRAPH ATTRIBUTES:

RING(S) ARE ISOLATED OR EMBEDDED

NUMBER OF NODES IS 16

STEREO ATTRIBUTES: NONE

L5 SCR 1832

L6 SCR 1611

L8 20 SEA FILE=REGISTRY SSS FUL L3 AND L5 AND L6

100.0% PROCESSED 3679 ITERATIONS

20 ANSWERS

SEARCH TIME: 00.00.03

=> file caold

FILE 'CAOLD' ENTERED AT 13:22:43 ON 07 JUN 2002

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FILE COVERS 1907-1966

FILE LAST UPDATED: 01 May 1997 (19970501/UP)

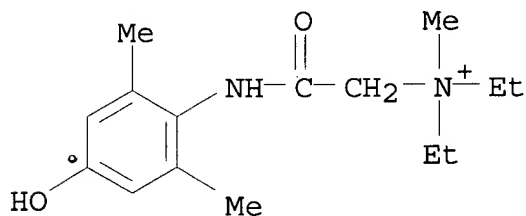
This file contains CAS Registry Numbers for easy and accurate

substance identification. Title keywords, authors, patent assignees, and patent information, e.g., patent numbers, are now searchable from 1907-1966. TIFF images of CA abstracts printed between 1907-1966 are available in the PAGE display formats.

This file supports REGISTRY for direct browsing and searching of all substance data from the REGISTRY file. Enter HELP FIRST for more information.

=> d l9 1 all hitstr

L9 ANSWER 1 OF 1 CAOLD COPYRIGHT 2002 ACS
AN CA64:6533e CAOLD
TI amination of alkylbenzenes with trichloramine-AlCl3-synthetic utility and theoretical aspects
AU Kovacic, Peter; Levisky, J. A.; Goralski, C. T.
IT 88-05-1 767-77-1 2524-81-4 5369-09-5 5369-10-8
5369-11-9 5369-12-0 5369-13-1 **5369-14-2** 5369-17-5
5369-18-6 5369-19-7 5369-21-1 5369-22-2 10025-85-1
27358-13-0
IT **5369-14-2**
RN 5369-14-2 CAOLD
CN Ammonium, diethyl[[(4-hydroxy-2,6-xylyl) carbamoyl]methyl]methyl-, bromide (8CI) (CA INDEX NAME)



● Br⁻

=> file zcaplus

FILE 'ZCAPLUS' ENTERED AT 13:23:06 ON 07 JUN 2002

USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.

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FILE COVERS 1907 - 7 Jun 2002 VOL 136 ISS 23
FILE LAST UPDATED: 5 Jun 2002 (20020605/ED)

This file contains CAS Registry Numbers for easy and accurate substance identification.

CAS roles have been modified effective December 16, 2001. Please check your SDI profiles to see if they need to be revised. For information on CAS roles, enter HELP ROLES at an arrow prompt or use the CAS Roles thesaurus (/RL field) in this file.

=> d l10 1-6 ibib abs hitstr hitrn

L10 ANSWER 1 OF 6 ZCAPLUS COPYRIGHT 2002 ACS
ACCESSION NUMBER: 2000:513675 ZCAPLUS
DOCUMENT NUMBER: 133:136753
TITLE: Novel cationic 2-acylaminophenols, their use as coupler for oxidation dyeing, compositions containing them, and dyeing methods
INVENTOR(S): Vidal, Laurent; Saunier, Jean-Baptiste
PATENT ASSIGNEE(S): L'oreal, Fr.
SOURCE: PCT Int. Appl., 67 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: French
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2000043368	A1	20000727	WO 2000-FR143	20000121
W:	AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CR, CU, CZ, DE, DK, DM, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM			
RW:	GH, GM, KE, LS, MW, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG			
FR 2788768	A1	20000728	FR 1999-746	19990121
FR 2788768	B1	20010216		
CA 2323003	AA	20000727	CA 2000-2323003	20000121
EP 1066263	A1	20010110	EP 2000-900644	20000121

R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC,
PT, IE, FI

PRIORITY APPLN. INFO.:

FR 1999-746 A 19990121

WO 2000-FR143 W 20000121

OTHER SOURCE(S): MARPAT 133:136753

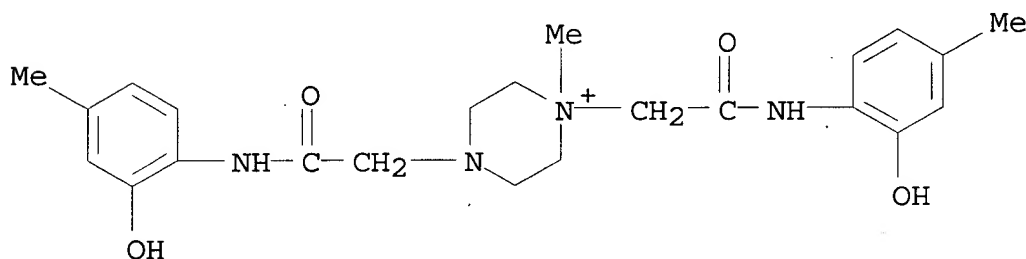
AB Cationic compds. having 2 2-acylaminophenol groups bridged by .gtoreq.1 cyclic or noncyclic quaternary ammonium group are manufd. for use as couplers in oxidn. dyeing of hair. These couplers provide strong shades in the red-to-blue range that have good adhesion to the hair. Thus, reaction of 83 g 2-hydroxy-4-methylaniline 4 h with 54 mL chloroacetyl chloride in THF in the presence of Et3N and reaction of 6 g intermediate 48 h at reflux with 680 mg imidazole in 40 mL 1,2-dimethoxyethylene gave 1,3-bis[(2-hydroxy-4-methylphenylcarbamoyl)methyl]-3H-imidazol-1-ium chloride.

IT 286403-93-8P 286404-00-0P 286404-07-7P
286404-17-9P

(quaternary ammonium 2-acylaminophenols as couplers for oxidn. dyeing of hair)

RN 286403-93-8 ZCAPLUS

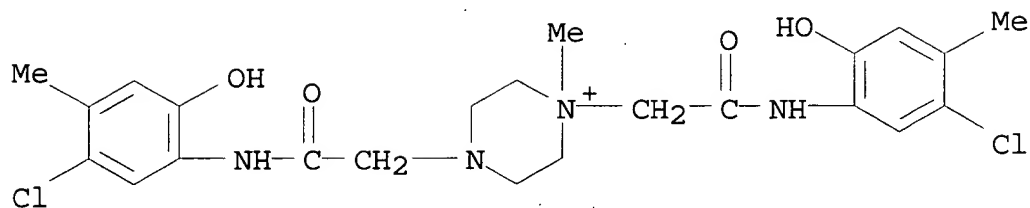
CN Piperazinium, 1,4-bis[2-[(2-hydroxy-4-methylphenyl)amino]-2-oxoethyl]-1-methyl-, chloride (9CI) (CA INDEX NAME)



● Cl⁻

RN 286404-00-0 ZCAPLUS

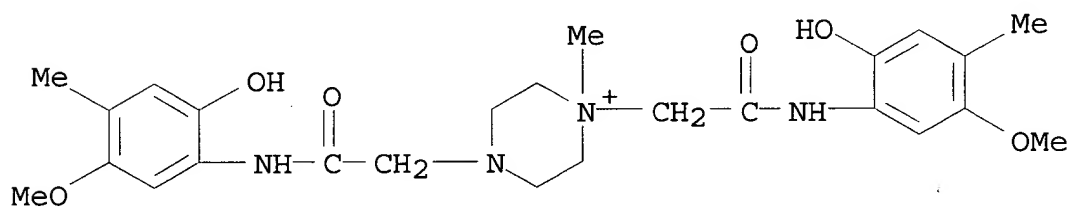
CN Piperazinium, 1,4-bis[2-[(5-chloro-2-hydroxy-4-methylphenyl)amino]-2-oxoethyl]-1-methyl-, chloride (9CI) (CA INDEX NAME)



● Cl⁻

RN 286404-07-7 ZCAPLUS

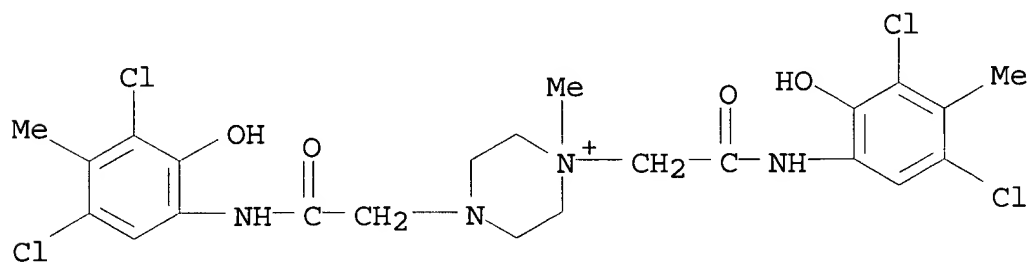
CN Piperazinium, 1,4-bis[2-[(2-hydroxy-5-methoxy-4-methylphenyl)amino]-2-oxoethyl]-1-methyl-, chloride (9CI) (CA INDEX NAME)



● Cl⁻

RN 286404-17-9 ZCAPLUS

CN Piperazinium, 1,4-bis[2-[(3,5-dichloro-2-hydroxy-4-methylphenyl)amino]-2-oxoethyl]-1-methyl-, chloride (9CI) (CA INDEX NAME)



Cl⁻

IT 286403-93-8P 286404-00-0P 286404-07-7P
286404-17-9P

(quaternary ammonium 2-acylaminophenols as couplers for oxidn.
dyeing of hair)

REFERENCE COUNT: 6 THERE ARE 6 CITED REFERENCES AVAILABLE FOR
THIS RECORD. ALL CITATIONS AVAILABLE IN
THE RE FORMAT

L10 ANSWER 2 OF 6 ZCAPLUS COPYRIGHT 2002 ACS

ACCESSION NUMBER: 2000:513467 ZCAPLUS

DOCUMENT NUMBER: 133:124927

TITLE: Oxidative hair dye compositions comprising novel
cationic couplers

INVENTOR(S): Vidal, Laurent; Saunier, Jean-Baptiste

PATENT ASSIGNEE(S): L'oreal, Fr.

SOURCE: PCT Int. Appl., 96 pp.

CODEN: PIXXD2

DOCUMENT TYPE: Patent

LANGUAGE: French

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2000042979	A1	20000727	WO 2000-FR126	20000120
W:	AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CR, CU, CZ, DE, DK, DM, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM			
RW:	GH, GM, KE, LS, MW, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG			
FR 2788691	A1	20000728	FR 1999-638	19990121
CA 2323710	AA	20000727	CA 2000-2323710	20000120
EP 1066022	A1	20010110	EP 2000-900628	20000120
R:	AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, FI			

PRIORITY APPLN. INFO.: FR 1999-638 A 19990121
WO 2000-FR126 W 20000120

OTHER SOURCE(S): MARPAT 133:124927

AB The invention also concerns their use as couplers for dyeing keratin fibers, oxidn. dyeing methods using them and novel cationic 2-acylaminophenols. Thus, 3-[(3,5-dichloro-2-hydroxy-4-methyl-phenylcarbamoyl)-methyl]-1-methyl-3H-imidazol-1-ium chloride (I) was prepd. by the reaction of 2-chloro-N-(3,5-dichloro-2-hydroxy-4-methyl-phenyl)acetamide (prepn. given) with N-methylimidazole. A hair dye prepn. contained I 3x10³-, paraphenylenediamine 3x10³-, and water and excipient q.s. 100 g. At the time of use equal amts. of the prepn. and 20 vol. hydrogen peroxide are mixed and applied to a

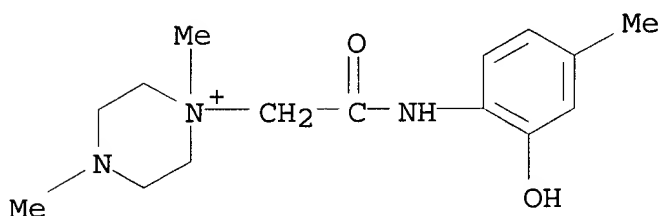
90% white hair for 30 min, the hair is then rinsed, washed with a shampoo, rinsed again, and dried to obtain a grayish brown color.

IT 286008-81-9P 286008-95-5P 286009-06-1P
286009-16-3P

(oxidative hair dye compns. comprising novel cationic couplers)

RN 286008-81-9 ZCAPLUS

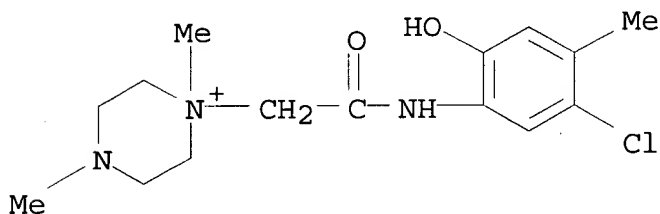
CN Piperazinium, 1-[2-[(2-hydroxy-4-methylphenyl)amino]-2-oxoethyl]-1,4-dimethyl-, chloride (9CI) (CA INDEX NAME)



● Cl⁻

RN 286008-95-5 ZCAPLUS

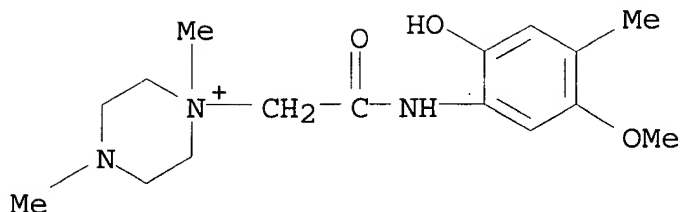
CN Piperazinium, 1-[2-[(5-chloro-2-hydroxy-4-methylphenyl)amino]-2-oxoethyl]-1,4-dimethyl-, chloride (9CI) (CA INDEX NAME)



● Cl⁻

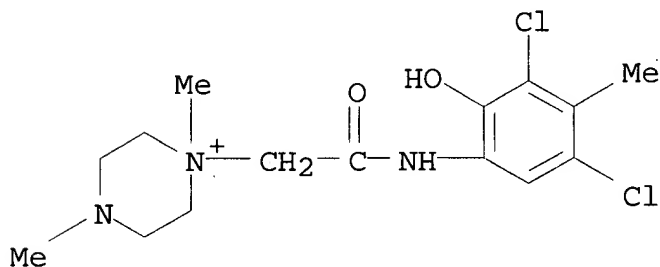
RN 286009-06-1 ZCAPLUS

CN Piperazinium, 1-[2-[(2-hydroxy-5-methoxy-4-methylphenyl)amino]-2-oxoethyl]-1,4-dimethyl-, chloride (9CI) (CA INDEX NAME)

⊗ Cl⁻

RN 286009-16-3 ZCAPLUS

CN Piperazinium, 1-[2-[(3,5-dichloro-2-hydroxy-4-methylphenyl)amino]-2-oxoethyl]-1,4-dimethyl-, chloride (9CI) (CA INDEX NAME)

● Cl⁻IT 286008-81-9P 286008-95-5P 286009-06-1P
286009-16-3P

(oxidative hair dye compns. comprising novel cationic couplers)

REFERENCE COUNT: 3 THERE ARE 3 CITED REFERENCES AVAILABLE FOR
THIS RECORD. ALL CITATIONS AVAILABLE IN
THE RE FORMAT

L10 ANSWER 3 OF 6 ZCAPLUS COPYRIGHT 2002 ACS

ACCESSION NUMBER: 1999:626178 ZCAPLUS

DOCUMENT NUMBER: 131:262499

TITLE: Oxidative hair dyes containing cationic coupling
agents

INVENTOR(S): Genet, Alain; Lagrange, Alain

PATENT ASSIGNEE(S): L'Oreal, Fr.

SOURCE: PCT Int. Appl., 46 pp.

CODEN: PIXXD2

DOCUMENT TYPE: Patent

LANGUAGE: French

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 9948875	A1	19990930	WO 1999-FR576	19990315
W:	AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, US, UZ, VN, YU, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM			
RW:	GH, GM, KE, LS, MW, SD, SL, SZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG			
FR 2776290	A1	19990924	FR 1998-3457	19980320
CA 2322992	AA	19990930	CA 1999-2322992	19990315
AU 9927351	A1	19991018	AU 1999-27351	19990315
EP 1064268	A1	20010103	EP 1999-907712	19990315
R:	AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, FI			
JP 2002507605	T2	20020312	JP 2000-537858	19990315
PRIORITY APPLN. INFO.:			FR 1998-3457	A 19980320
			WO 1999-FR576	W 19990315

OTHER SOURCE(S): MARPAT 131:262499

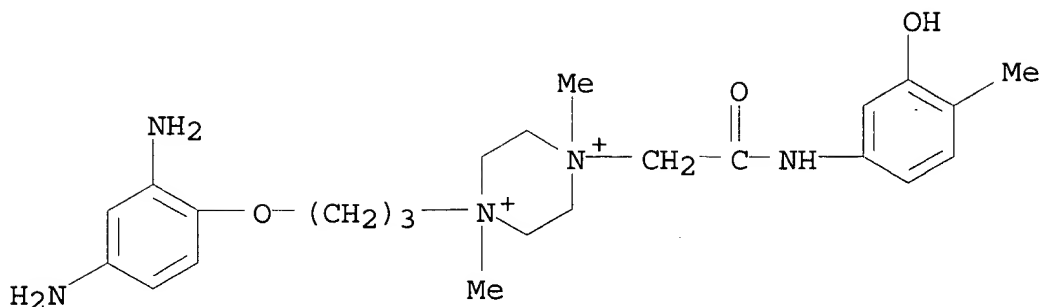
AB Novel di-benzene compds. comprising at least one cationic group Z, Z being selected among quaternized aliph. chains, aliph. chains comprising at least a quaternized satd. cycle, and aliph. chains comprising at least a quaternized unsatd. cycle, and their use as coupling agents in oxidn. dyeing of keratinous fibers are claimed. Thus, 1,4-bis-1-{3-[3-(2,4-diamino-phenoxy)propyl]-3H-imidazol-1-ium}butane dichloride.4HCl.H2O (I) was prepd. by deacetylation of 1,4-bis-1-{3-[3-(2,4-diamino-phenoxy)propyl]-3H-imidazol-1-ium}butane dichloride by HCl. A hair dye contained I 1.13, paraphenylenediamine 0.324, and water and excipients q.s. 100 g. Equal amts. of the compn. and 20% hydrogen peroxide were mixed and applied on the hair for 30 min, the hair was then rinsed with water, washed and dried.

IT 245040-89-5 245040-93-1

(oxidative hair dyes contg. cationic coupling agents)

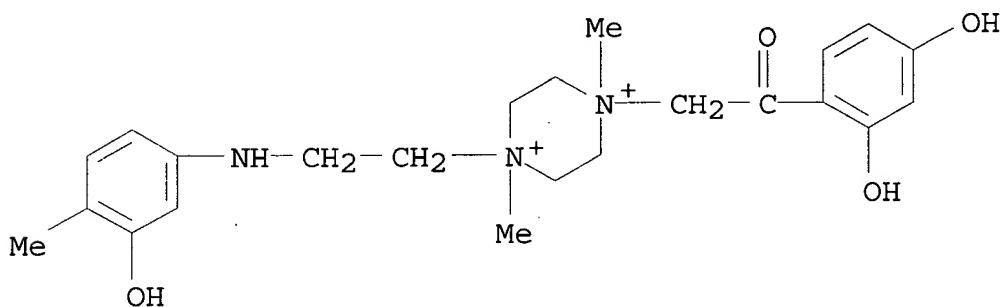
RN 245040-89-5 ZCAPLUS

CN Piperazinium, 1-[3-(2,4-diaminophenoxy)propyl]-4-[2-[(3-hydroxy-4-methylphenyl)amino]-2-oxoethyl]-1,4-dimethyl-, dichloride (9CI) (CA INDEX NAME)

● 2 Cl⁻

RN 245040-93-1 ZCAPLUS

CN Piperazinium, 1-[2-(2,4-dihydroxyphenyl)-2-oxoethyl]-4-[2-[(3-hydroxy-4-methylphenyl)amino]ethyl]-1,4-dimethyl-, bromide chloride (9CI) (CA INDEX NAME)

● Br⁻● Cl⁻

IT 245040-89-5 245040-93-1

(oxidative hair dyes contg. cationic coupling agents)

REFERENCE COUNT:

9

THERE ARE 9 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

ACCESSION NUMBER: 1999:626161 ZCAPLUS
 DOCUMENT NUMBER: 131:262487
 TITLE: Oxidative hair dye compositions containing a cationic coupling agent
 INVENTOR(S): Genet, Alain; Lagrange, Alain
 PATENT ASSIGNEE(S): L'Oreal, Fr.
 SOURCE: PCT Int. Appl., 68 pp.
 CODEN: PIXXD2
 DOCUMENT TYPE: Patent
 LANGUAGE: French
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 9948856	A1	19990930	WO 1999-FR574	19990315
W:	AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, US, UZ, VN, YU, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM			
RW:	GH, GM, KE, LS, MW, SD, SL, SZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG			
FR 2776289	A1	19990924	FR 1998-3455	19980320
FR 2776289	B1	20010202		
CA 2322989	AA	19990930	CA 1999-2322989	19990315
AU 9927349	A1	19991018	AU 1999-27349	19990315
EP 1064252	A1	20010103	EP 1999-907710	19990315
R:	AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, FI			
JP 2002507589	T2	20020312	JP 2000-537841	19990315
PRIORITY APPLN. INFO.:			FR 1998-3455	A 19980320
			WO 1999-FR574	W 19990315

OTHER SOURCE(S): MARPAT 131:262487

AB An oxidative hair dye compn. for keratinous fibers contains at least a monobenzene coupling agent including at least a cationic group Z bearing at least a cyclized or non-cyclized quaternary ammonium unit. Thus, [2(2,4-diaminophenoxy)ethyl]diethylmethyammonium chloride.2HCl (I) was prepd. by deacetylation of [2(2,4-diaminophenoxy)ethyl]diethylmethyammonium iodide (prepn. given) with hydrochloric acid. A hair dye prepn. contained I 1.04, para-aminophenol 0.327, and water and excipients q.s. 100 g. Equal amts. of the compn. and 20% hydrogen peroxide were mixed and applied on the hair for 30 min, the hair was then rinsed with water, washed and dried.

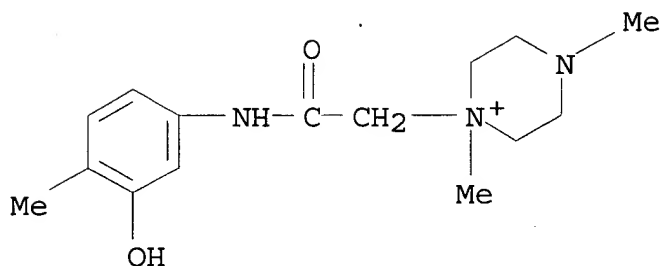
IT 244779-80-4 244779-85-9 244779-88-2
 244779-89-3 244779-94-0 244779-97-3

(oxidative hair dye compns. contg. cationic coupling agent)

RN 244779-80-4 ZCAPLUS

CN Piperazinium, 1-[2-[(3-hydroxy-4-methylphenyl)amino]-2-oxoethyl]-1,4-

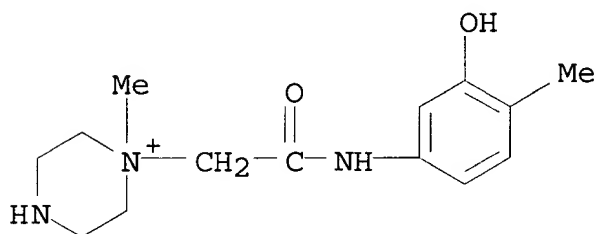
dimethyl-, chloride (9CI) (CA INDEX NAME)



● Cl⁻

RN 244779-85-9 ZCAPLUS

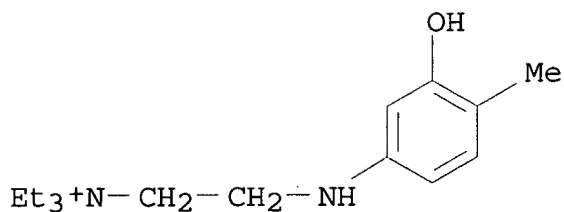
CN Piperazinium, 1-[2-[(3-hydroxy-4-methylphenyl)amino]-2-oxoethyl]-1-methyl-, chloride (9CI) (CA INDEX NAME)



● Cl⁻

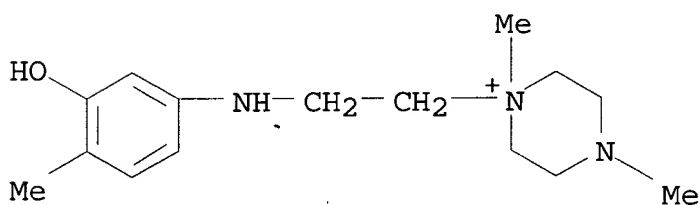
RN 244779-88-2 ZCAPLUS

CN Ethanaminium, N,N,N-triethyl-2-[(3-hydroxy-4-methylphenyl)amino]-, bromide (9CI) (CA INDEX NAME)



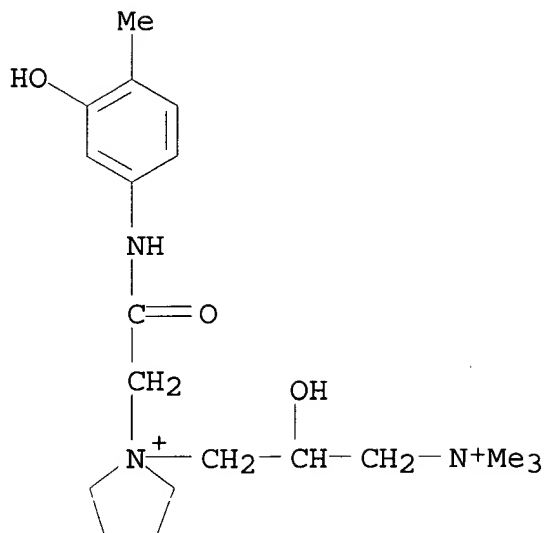
● Br⁻

RN 244779-89-3 ZCAPLUS
 CN Piperazininium, 1-[2-[(3-hydroxy-4-methylphenyl)amino]ethyl]-1,4-dimethyl-, bromide (9CI) (CA INDEX NAME)



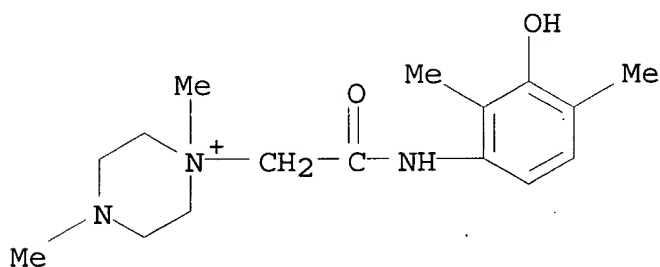
● Br⁻

RN 244779-94-0 ZCAPLUS
 CN Pyrrolidinium, 1-[2-[(3-hydroxy-4-methylphenyl)amino]-2-oxoethyl]-1-[2-hydroxy-3-(trimethylammonio)propyl]-, dichloride (9CI) (CA INDEX NAME)



● 2 Cl⁻

RN 244779-97-3 ZCAPLUS
 CN Piperazinium, 1-[2-[(3-hydroxy-2,4-dimethylphenyl)amino]-2-oxoethyl]-1,4-dimethyl-, chloride (9CI) (CA INDEX NAME)



● Cl⁻

IT 244779-80-4 244779-85-9 244779-88-2
 244779-89-3 244779-94-0 244779-97-3

(oxidative hair dye compns. contg. cationic coupling agent)

REFERENCE COUNT: 4 THERE ARE 4 CITED REFERENCES AVAILABLE FOR
 THIS RECORD. ALL CITATIONS AVAILABLE IN
 THE RE FORMAT

L10 ANSWER 5 OF 6 ZCAPLUS COPYRIGHT 2002 ACS

ACCESSION NUMBER: 1998:486358 ZCAPLUS

DOCUMENT NUMBER: 129:175999

TITLE: Intermediates and monomers for vapor phase deposition and polybenzoxazoles

AUTHOR(S): Grubb, Tina L.; Mathias, Lon J.

CORPORATE SOURCE: Department of Polymer Science, University of Southern Mississippi, Hattiesburg, MS, 39406, USA

SOURCE: Designed Monomers and Polymers (1998), 1(1), 15-36

CODEN: DMPOF3; ISSN: 1385-772X

PUBLISHER: VSP BV

DOCUMENT TYPE: Journal

LANGUAGE: English

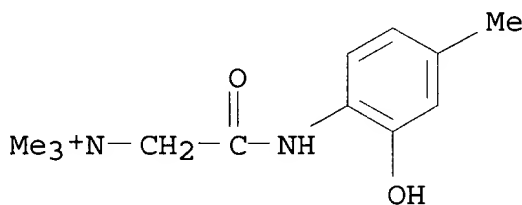
AB New multifunctionalized aliph. and arom. benzoxazoles have been synthesized as potential intermediates for benzoxazole cyclic dimers and sol. polymeric precursors to fully conjugated vinylene phenylene polymer structures. Aliph. benzoxazoles were found to undergo hydrolysis under the normal basic conditions required for carbon-carbon coupling reactions to form cyclic dimers. In attempts to form arom. benzoxazole cyclic dimers, polymn. occurred, demonstrating facile reaction. Although benzoxazole cyclic dimers were never isolated for vapor phase deposition-polymn., the new functionalized benzoxazoles synthesized, namely the dihalomethyl and monohalomethyl derivs., are being investigated as potential vapor phase deposition-polymn. monomers.

IT 211508-76-8P

(prepn. of monomers and intermediates for benzoxazole dimers and benzoxazole-contg. polymers)

RN 211508-76-8 ZCAPLUS

CN Ethanaminium, 2-[(2-hydroxy-4-methylphenyl)amino]-N,N,N-trimethyl-2-oxo-, chloride (9CI) (CA INDEX NAME)

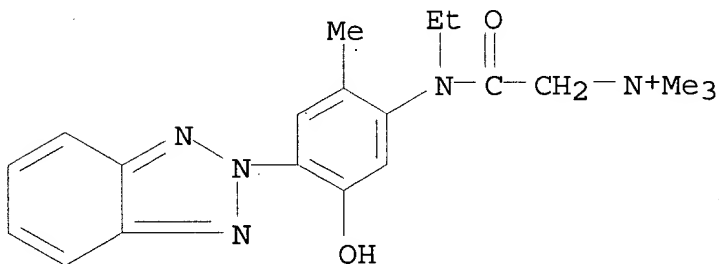
● Cl⁻

IT 211508-76-8P

(prepn. of monomers and intermediates for benzoxazole dimers and benzoxazole-contg. polymers)

L10 ANSWER 6 OF 6 ZCAPLUS COPYRIGHT 2002 ACS
 ACCESSION NUMBER: 1976:35204 ZCAPLUS
 DOCUMENT NUMBER: 84:35204
 TITLE: Ultraviolet light-absorbing agents
 INVENTOR(S): Hotta, Seiji; Kondo, Yutaka
 PATENT ASSIGNEE(S): Sumitomo Chemical Co., Ltd., Japan
 SOURCE: Japan. Kokai, 8 pp.
 CODEN: JKXXAF
 DOCUMENT TYPE: Patent
 LANGUAGE: Japanese
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

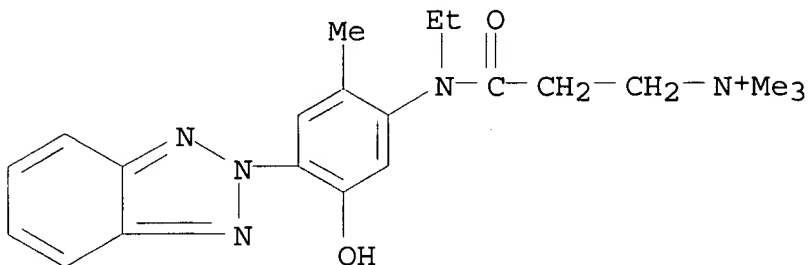
	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
	JP 50121178	A2	19750922	JP 1974-28884	19740312
GI	For diagram(s), see printed CA Issue.				
AB	Cationic benzotriazoles I [X = H, halogen, or alkoxy; Y = direct linkage, O, or NR (R = H, alkyl, cyclohexyl or benzyl); W = alkylene, alkenylene, aralkylene, phenylene, or heteroallylene, and contg. O, NR, NRCO, or COO; Z = H, halogen, or alkyl; Q+ = quaternary ammonium group; A- = anion; m = 1 or 2; n = 0 or 1] with uv-absorbing properties were synthesized. I prevented the sensitivity of org. compds. in various products such as cosmetics, fibers, foods etc. Thus, a cosmetic contained white ceresin wax 5, white petrolatum 22, white mineral oil 19.5, anhyd. lanolin 1.5, II [57579-95-0] 2, H2O 36 and perfume 0.5 part.				
IT	57579-88-1P 57579-89-2P (prepn. of, as uv light stabilizer)				
RN	57579-88-1 ZCAPLUS				
CN	Ethanaminium, 2-[[4-(2H-benzotriazol-2-yl)-5-hydroxy-2-methylphenyl]ethylamino]-N,N,N-trimethyl-2-oxo-, chloride (9CI) (CA INDEX NAME)				



● Cl⁻

RN 57579-89-2 ZCAPLUS
 CN 1-Propanaminium, 3-[[4-(2H-benzotriazol-2-yl)-5-hydroxy-2-

methylphenyl]ethylamino]-N,N,N-trimethyl-3-oxo-, chloride (9CI) (CA
INDEX NAME)



● Cl⁻

IT 57579-88-1P 57579-89-2P
(prepn. of, as uv light stabilizer)